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THIRTIETH  
ANNUAL REPORT

OF THE COMMITTEE

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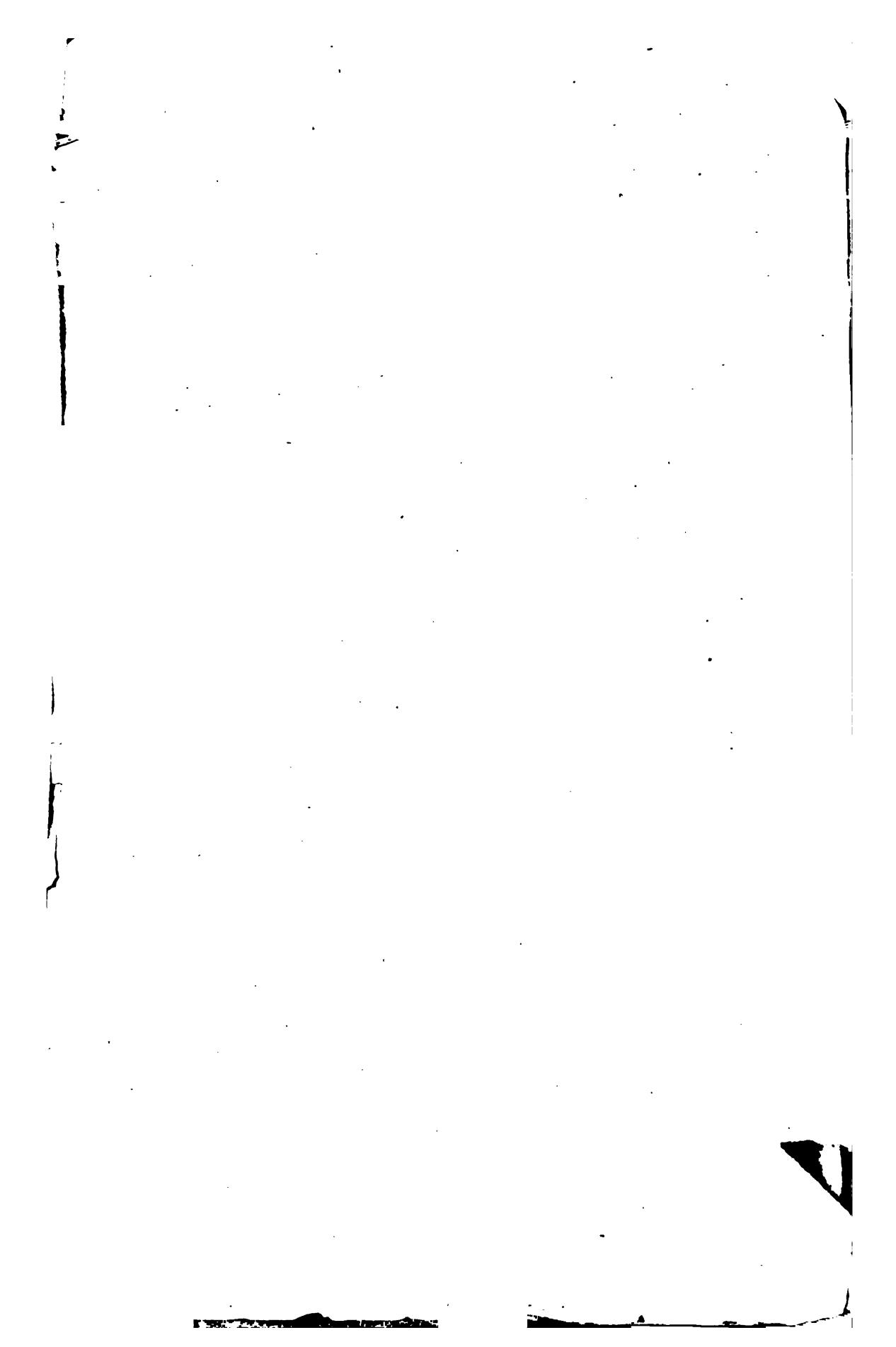
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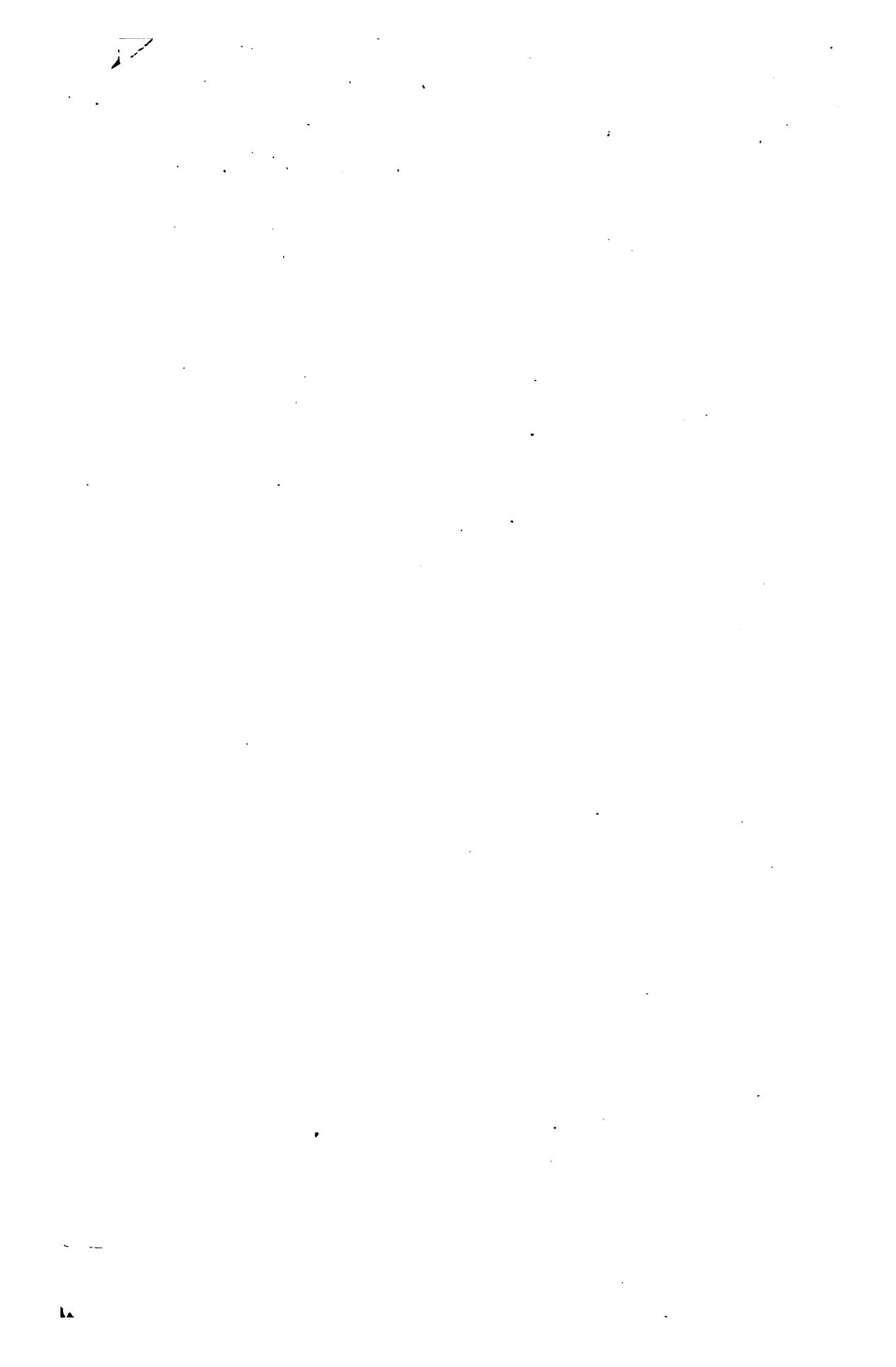


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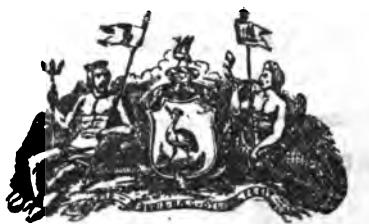
MUSEUM,

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WALKER ART GALLERY

OF THE

CITY OF LIVERPOOL.



LIVERPOOL:

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1883.

## COMMITTEE AND OFFICERS

For the Years 1882-83.

### *Committee.*

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CHARLES T. GATTY.

### *Curator of the Walker Art Gallery.*

CHARLES DYALL.

## R E P O R T.

THE particulars of each department will be found under their respective heads. It may be stated generally that the efficiency and interest of the institution continue to be fully maintained.

The increased facilities afforded by the completion of the Rotunda Lecture Room have been availed of to a large extent, as is shown below, the numbers in attendance having been in many cases such as to crowd the building in an inconvenient manner.

Encouraged by the popularity of these lectures, it has been determined by the Council, on the motion of Mr. Stewart, to provide courses of similar lectures in other parts of the City. For this purpose a grant has recently been made by the City Council.

The building for the extension of the Walker Art Gallery has made considerable progress, and it is expected it will be ready for opening during the current year.

Many visits by distinguished persons from abroad have been paid during the year, amongst which may be mentioned the Officers of the Indian Contingent and the Envoys from Madagascar.

### REFERENCE LIBRARY.

TABLE I.—Showing the books issued during the year:—

Classification.	Volumes.	Daily Average.
Theology, Morals, &c.....	18,174	65
Natural Philosophy, Astronomy, &c. ....	18,288	65
Natural History .....	6,961	21
Science and the Arts .....	27,405	98
History and Biography .....	24,230	86
Topography and Antiquities .....	6,458	23
Voyages and Travels .....	12,645	45
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.).....	118,523	422
Jurisprudence, Law, and Politics .....	4,372	16
Commerce, Political Economy, and Statistics.....	3,238	12
Education and Language .....	7,192	26
Poetry and Dramatic Literature .....	13,886	50
Prose Fiction .....	207,342	738
Latin and Greek Classics and Translations.....	4,471	16
Heraldry, Encyclopædias, and Works of Reference .....	30,163	108
Total.....	503,248	1,791

## PICTON READING ROOM.

Classification.	This Year.	Last Year.
Theology, Morals, &c.....	18,174	18,072
Natural Philosophy, Astronomy, &c.....	18,288	17,308
Natural History .....	6,961	6,499
Science and the Arts .....	27,405	28,581
History and Biography .....	24,230	22,574
Topography and Antiquities .....	6,458	6,244
Voyages and Travels .....	12,645	11,754
Miscellaneous Literature (principally collected Works, Magazines in Volumes, &c.).....	46,592	37,947
Jurisprudence, Law, and Politics .....	4,372	3,924
Commerce, Political Economy, and Statistics.....	3,288	2,725
Education and Language .....	7,192	6,000
Poetry and Dramatic Literature .....	13,886	12,916
Latin and Greek Classics and Translations.....	4,471	4,214
Heraldry, Encyclopedias, and Works of Reference .....	12,018	8,076
Total.....	205,930	186,834

## BROWN READING ROOM.

Classification.	This Year.	Last Year.
Illustrated Periodicals in Volumes .....	71,931	75,401
Prose Fiction.....	207,342	231,834
Directories.....	18,145	18,569
Total.....	297,418	325,804

TABLE II.—Showing the issues of Quarterly and Monthly Magazines :—

Classification.	Magazines.	Daily Average.
Theology, Morals, &c .....	966	3
Natural Philosophy, &c .....	615	2
Natural History .....	652	2
Science and the Arts .....	1,109	4
Topography and Antiquities .....	479	2
Voyages and Travels .....	216	1
Miscellaneous Literature .....	74,975	267
Commerce, Political Economy, and Statistics.....	426	2
Education and Language .....	346	1
Total.....	79,784	284

TABLE III.—Showing the issue of Weekly Periodicals, &amp;c. :—

Classification.	Periodicals.	Daily Average.
Natural Philosophy, &c.....	8,750	10
Natural History .....	1,496	5
Science and the Arts .....	6,733	24
Miscellaneous Literature (principally illustrated and literary Periodicals) .....	199,233	709
Law and Politics .....	787	3
Commerce, Statistics, &c. .....	797	3
Total.....	211,796	754

Total Patents for Inventions consulted, 16,129. Daily average, 57.

**RECAPITULATION OF TOTALS.**

Volumes of Books.....	This Year	503,348	Last Year	512,638
Quarterly and Monthly Magazines.....	"	79,784	"	64,789
Weekly Periodicals .....	"	211,796	"	236,968
Patents Consulted.....	"	16,129	"	14,130
Grand Total.....		811,057		828,525

TABLE IV.—Showing the number and classification of works added during the year :—

Classification.	Volumes Added.	Total No. in the Library.
Theology, Morals, &c.....	160	6,140
Natural Philosophy, Astronomy, &c.....	77	1,817
Natural History.....	108	4,275
Science and the Arts.....	273	9,078
History and Biography .....	284	10,204
Topography and Antiquities .....	233	3,915
Voyages and Travels.....	103	4,415
Miscellaneous Literature (principally collected Works, Maga- zines, &c.) .....	731	16,870
Jurisprudence, Law, and Politics .....	106	6,403
Commerce, Political Economy, &c. ....	43	930
Education and Language .....	48	1,296
Poetry and Dramatic Literature .....	118	3,391
Prose Fiction .....	68	5,411
Latin and Greek Classics and Translations.....	14	689
Heraldry, Encyclopedias, and Works of Reference .....	71	2,428
Total.....	2,432	77,982

The following is the List of Magazines and Periodicals illustrating  
Tables II. and III. :—

**QUARTERLY.**

Annales des Sciences Naturelles  
Anthropological Journal  
Archæologia Cambrensis  
Archæological Journal  
British and Foreign Evangelical Review  
British Quarterly Review  
Calcutta Review  
Church Quarterly Review  
Dublin Review  
Edinburgh Review  
Grevillea  
Ibis  
Journal de Conchyliologie  
Journal für Ornithologie  
Journal of Anatomy  
Journal of the British Archæological Association  
Journal of the Royal Agricultural Society  
Journal of the Society of Antiquaries  
Journal of the Statistical Society  
London Quarterly Review  
Manchester Quarterly  
Mind  
Modern Review  
Navy List  
Numismatic Chronicle and Journal  
Popular Science Review  
Quarterly Journal of the Geological Society  
Quarterly Journal of Microscopical Science  
Quarterly Review  
Revue Celtique  
Revue et Magasin de Zoologie  
Stray Feathers  
Sunday Review  
Traethodydd  
Westminster Review  
Zeitschrift für deutsche Philologie  
Zeitschrift für Ethnologie

**MONTHLY.**

All the Year Round  
American Naturalist  
Annals and Magazine of Natural History  
Antiquary  
Argosy  
Army List  
Art Journal  
Atlantic Monthly  
Band of Hope Review  
Banker's Magazine  
Beiblätter der Physik  
Belgravia  
Bibliographer  
Bibliothèque Universelle  
Biograph  
Blackwood's Magazine  
British Temperance Advocate

Cambridge Examiner  
Cassell's Magazine  
Catholic Presbyterian  
Century Magazine  
Chambers's Journal  
China Review  
Church Missionary Gleaner  
Church Missionary Intelligencer  
Church Missionary Juvenile Instructor  
Church Standard  
Clergyman's Magazine  
Congregational Magazine  
Congregationalist  
Contemporary Review  
Cornhill Magazine  
Daheim  
Day of Days  
Dietetic Reformer  
Ecclesiastical Observer  
Educational Times  
Englishwoman's Review  
Financial Reformer  
Fireside  
Florist and Pomologist  
Fortnightly Review  
Fraser's Magazine  
Gazette Archéologique  
Gazette des Beaux-Arts  
Gartenlaube  
Gentleman's Magazine  
Geological Magazine  
Good Words  
Hand and Heart  
Harper's Magazine  
Home Words  
Homeopathic World  
Indian Antiquary  
International Review  
Inventors' Record  
Irish Temperance Banner  
Journal of Conchology  
Journal of the Chemical Society  
Journal of Horticulture  
Journal of Science  
Leisure Hour  
Library Journal  
Liverpool Diocesan Gazette  
Livre, Le  
London Society  
Macmillan's Magazine  
Magazine of Art  
Mineralogical Magazine  
Month  
Musical Times  
Nautical Magazine  
New Church Magazine  
Nineteenth Century  
North American Review  
Orchestra  
Palatine Note-Book  
Petermann's Mittheilungen

**MONTHLY—Continued.**

Portfolio  
 Printer's Register  
 Printing Times  
 Quiver  
 Railway Guide  
 Revue Archéologique  
 Revue Britannique  
 Revue Chrétienne  
 Royal Astronomical Society's Monthly Notices  
 Royal Geographical Society's Journal  
 Sanitary Engineering  
 Science Gossip  
 Shorthand Magazine  
 Sunday at Home  
 Sunday Magazine  
 Temple Bar  
 Theatre  
 Tinsley's Magazine  
 Tonic Sol-fa Reporter  
 Truthseeker  
 United Service Magazine  
 Western Antiquary  
 Women's Suffrage Journal  
 Yachting Magazine  
 Zoologist  
 Zoophilist

**FORTNIGHTLY.**

Annalen der Physik  
 British and Colonial Printer and Stationer  
 Dingler's Polytechnisches Journal  
 Gazette des Architectes  
 Intermédiaire  
 Liebig's Annalen der Chemie  
 Revue des Deux Mondes  
 Unsere Zeit

**WEEKLY.**

Academy  
 American Settler  
 Anglo-American Times  
 Architect  
 Atheneum  
 British Architect  
 Broad Arrow  
 Builder  
 Builders' Weekly Reporter  
 Building News  
 Cambridge University Reporter  
 Chemical News  
 Christian Commonwealth  
 Church of England Temperance Chronicle  
 Chronique des Arts

**WEEKLY—Continued.**

Civilian  
 Colonies  
 Comptes Rendus  
 Draper  
 Economist  
 Electrical Review  
 Electrician  
 Engineer  
 Engineering  
 English Mechanic  
 Era  
 Estates Gazette  
 Field  
 Fun  
 Gardeners' Chronicle  
 Graphic  
 Illustrated London News  
 Iron  
 Iron and Coal Trades Review  
 Jewish Chronicle  
 Journal of Gas Lighting, &c.  
 Journal of the Society of Arts  
 Journal of the Vigilance Association  
 Judy  
 Knowledge  
 Lancet  
 Land and Water  
 Lantern  
 Law Times  
 Liberal Review  
 Local Government Chronicle  
 London Gazette  
 Mining Journal  
 Musical and Dramatic World  
 Nature  
 Naval and Military Gazette  
 Notes and Queries  
 Oxford University Gazette  
 Pharmaceutical Journal  
 Pictorial World  
 Porcupine  
 Public Opinion  
 Punch  
 Railway Journal  
 Railway Review  
 Saturday Review  
 Scientific American  
 Spectator  
 Sydney Mail  
 Temperance Record  
 Truth  
 Volunteer Service Gazette  
 Vanity Fair  
 Weekly Notes  
 World

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## DONATIONS.

The following donations have been received during the year :—

**ABERDEEN MECHANICS' INSTITUTION** :—Report, 1881-2.

**AUDSLEY, W. and G. (the Authors)** :—Outlines of Ornament in the Leading Styles.

**BAINBRIDGE, R. B., ROYAL COURT THEATRE, LIVERPOOL** :—Playbills, &c., 1882.

**BARROW-IN-FURNESS FREE PUBLIC LIBRARY** :—Catalogue, compiled by John Frowde, Librarian; Juvenile Catalogue; The Free Library and its Catalogue: a Lecture by Rev. J. Macmillan.

**BARTLETT, WILLIAM (the Compiler)** :—Catalogue of a Collection of Old Wedgewood Ware.

**BELL, H. T. MACKENZIE (the Author)** :—Verses of Varied Life (2 Copies).

**BELOE, C. H.** :—Annual Report of the United States Life Saving Service, 1881.

**BIGGS, MRS.** :—Vivisections, by W. G. Gimson, M.D. (4 Copies); Vivisection, by George Macilwain; and other papers on Vivisection.

**BIRKENHEAD LITERARY AND SCIENTIFIC SOCIETY** :—Report, 1881-2.

**BIRMINGHAM FREE PUBLIC LIBRARY** :—Birmingham Books in the Reference Department, 1881.

**BOSTON (U.S.A.) ATHENÆUM LIBRARY** :—Catalogue, 1807-71, Compiled by C. A. Cutter (pp. 3005 to end).

**BOSTON (U. S. A.) PUBLIC LIBRARY** :—Bulletins, Nos. 60-63.

**BOULT, JOSEPH** :—The Security of Englishmen's Lives, by John L. Somers.

**BOWES, JAMES L. (the Author)** :—Japanese Marks and Seals.

**BRADSHAW, HENRY (the Author)** :—Notice of a Fragment of the Fifteen Oes and other Prayers, printed by Caxton: The Skeleton of Chaucer's Canterbury Tales; The University Library, Cambridge; Address at the Opening of the 5th Meeting of the Library Association, Cambridge, Sept., 1882.

**BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE** :—Report, York Meeting, 1881.

**BRITISH MUSEUM TRUSTEES** :—Catalogue of Printed Books, 27 Parts; Facsimile of the Codex Alexandrinus: New Testament and Clementine Epistles; Catalogue of Ancient MSS. Pt. 1, Greek; Catalogue of the MSS. in the Spanish Language, Vol. 3; Catalogue of Birds, Vol. 6; Catalogue of the Batrachia Salientia; Catalogue of the Fossil Foraminifera; Catalogue of Oriental Coins, Vol. 7; Prints and Drawings, Pt. 1, Italian Prints; List of Hymenoptera, Vol. 1.

**CASTELLAIN, ALFRED, J.P.** :—Journal of the Royal Agricultural Society, Vol. 18, Pt. 2.

**CHAMBERLIN, T. C., CHIEF GEOLOGIST, WISCONSIN** :—Geology of Wisconsin. Survey, 1873-9, Vol. 3 and Atlas.

**CINCINNATI PUBLIC LIBRARY** :—Bulletin, 1881.

**CLARKE, HYDE (the Author)** :—Early History of the Mediterranean Populations.

**COBDEN CLUB** :—The A B C of Free Trade, by E. N. Buxton (12 Copies); England under Free Trade, by G. W. Medley; Financial Reform Almanac, 1882 (12 Copies); Free Trade v. Fair Trade, by T. H. Farrer (40 Copies); Life of Richard Cobden, by John Morley (3 Copies); Pleas for Protection Examined, by A. Mongredien (100 Copies); Local Government and Taxation: Essays (3 Copies); Popular Fallacies regarding Trade and Foreign Duties, by E. R. Pearce (6 Copies); Transfer of Land by Registration, by Sir R. Torrens (6 Copies).

**CONSTANTINE, JOSEPH (the Author)** :—Practical Ventilation and Warming (3 Copies).

**CORNELL UNIVERSITY (U. S. A.)** :—Library Catalogue, Vol. 1, No. 3.

**DONALDSON, JAMES (the Author)** :—Practical Guide to the Use of Marine Steam Machinery.

**ELCHO, LORD, M.P. (present Earl of Wemyss)** :—Self-Help v. State-Help.

**EMEY, FRANK, PRINCE OF WALES THEATRE, LIVERPOOL** :—Playbills, &c., 1882.

**ENTWISTLE, PETER** :—Abridgment of the History of England, by Dr. Goldsmith.

**EVANS, HUGH** :—The Latin Prayer-Book of Charles II., by C. and W. W. Marshall.

**FINANCIAL REFORM ASSOCIATION, LIVERPOOL** :—Financial Reform Almanack, 1882; Financial Reform Tracts.

**FINE ART SOCIETY, LONDON** :—Notes on Exhibitions held by the Fine Art Society.

**FORWOOD, W. B., J.P.** :—Memorial Volume of the Royal Visit to Liverpool, September, 1881.

**FOX, CHARLES (the Author)** :—The Salvation Armyists no Quakers.

**FRASER, JAMES** :—Surveyors' Reports of Township Surveys in Manitoba, &c., with Maps.

DONATIONS—(*Continued.*)

GATTY, C. T., F.S.A. (the Author):—The Liverpool Potteries.

GILLMORE, HENRY C.:—Liverpool Mercantile Gazette and Myers' Weekly Advertiser, 15 Vols.

GLASGOW, STIRLING'S PUBLIC LIBRARY:—Supplementary Catalogue, 1871-81.

GOVER, REV. WILLIAM, M.A. (the Author):—Proposals for the Revision of the Education Code of 1881.

GRANNELL, DENNIS, ROTUNDA THEATRE, LIVERPOOL:—Playbills, &c., 1882.

GREEN, S. S., WORCESTER, MASS.:—James A. Garfield: Eulogy, by Hon. G. F. Hoar.

GREIG, MAJOR J. J., C.B.:—The Lockhart Papers, 2 Vols.; Camden's Imperial History of England, 2 Vols.; and 45 other volumes.

GREY, HENRY (the Author):—A Key to all the Waverley Novels.

GRIMALDI, REV. A.B.:—Standard of Israel, 2 vols.; Miscellaneous Writings of Stacey Grimaldi, 3 vols.; Catalogue of Paintings, &c., by W. Grimaldi; Glover's Harbours of Refuge; Wilson's Mission of Elijah; and other Papers.

GUTHRIE, MALCOLM (the Author):—On Mr. Spencer's Unification of Knowledge.

HALLAM, JOHN (the Author):—Notes on Free Libraries and Books, &c.

HARTNUP, JOHN (the Author):—Report of the Astronomer to the Mersey Docks and Harbour Board, 1875-8.

HARVARD COLLEGE, CAMBRIDGE, U.S.A.:—Library Bulletins, Nos. 21-23; Memoirs of the Museum of Comparative Zoölogy, Vol. 7, No. 2, Pt. 2; Bulletins of the Museum of Comparative Zoölogy, Vol. 6, Pt. 2, No. 12, Vol. 9, Nos. 6-8; Annual Report of the Curator, 1880-1; 4th Report of the Librarian, 1881.

HIBBERT, James (the Editor):—Brief Inquiry concerning Human Knowledge and Belief (2 copies).

HIGGINS, W. H., M.B. (the Author):—Names of the Stars and Constellations.

HISTORIC SOCIETY OF LANCASHIRE AND CHESHIRE:—Transactions, Vol. 33.

HODGES, FIGGS & CO. (the Publishers):—Dublin University Calendar, 1882, and Examination Papers, 2 Vols.

HOWARD ASSOCIATION:—Report, 1881; Vagrancy and Mendicancy: a Report; The Boarding-Out System.

HUGHES JOHN L. (the Author):—Dry-Plate Photography.

INCORPORATED LAW SOCIETY:—Calendar, 1882.

INDIA, THE RT. HON. THE SECRETARY OF STATE FOR:—Sacred Books of the East, ed. by F. Max Müller, Vols. 8, 12, 13, and 16.

INSTITUTE OF CIVIL ENGINEERS:—Minutes of Proceedings, Vols. 67-70.

INSTITUTION OF MECHANICAL ENGINEERS:—Proceedings, 1881-2.

JACKSON, LUIS (the Author):—Relton Reggs, the Protectionist; New Political Economy (2 copies); The Big Mississippi Melon (3 copies); The Protectionist and Political Review, Nos. 1-4 (5 copies.)

JEPSON, A. O. & CO. (the Publishers):—Mercantile Directory & Manufacturers' Guide, 1882.

JESSE, GEORGE R. (the Author):—Violationism; Correspondence with Professor Owen on John Hunter, &c.; Correspondence with Charles Darwin on Experimenting on Living Animals; Evidence given before the Royal Commission on Vivisection.

KENDRICK, J. W. (the Author):—Stomach Worship: a Growl from a Vegetarian.

LACH-SZYMA, REV. W. S. (the Author):—M. Sebillot's System as applied to Cornish Folk-Lore.

LAIRD, EDGERTON K. (the Author):—Incidents of Travel in South Africa.

LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY:—5th Annual Report.

LAWRENCE, MRS.:—Poems, by W. S. Roscoe; Cameos from the Antique, by Mrs. Lawrence; The Poetical Primer, by Mrs. Lawrence; Scriptural and Historical Pictures, by Mrs. Lawrence.

LEETE, JOSEPH:—The Family of Leete, by C. Bridger.

LIBRARY REPORTS from the following Libraries:—Birkenhead; Birmingham Free Libraries; Birmingham Library; Blackpool; Bolton; Boston, U.S.A.; Bridgeport, Conn., U.S.A.; Brighton; Cambridge; Cardiff; Chester; Chicago, U.S.A.; Cincinnati, U.S.A.; Clitheroe; Copenhagen Royal Library; Derby; Doncaster; Dundalk; Dundee; Exeter; Germantown Friends', U.S.A.; Glasgow, Mitchell Library; Glasgow, Stirling's Library; Leamington; Leeds; Manchester; Middlesborough; New York Astor; New York Mercantile; New York State; Newcastle-upon-Tyne; Newton, Mass., U.S.A.; Norwich; Philadelphia Mercantile; Plymouth; Preston; Richmond; Rochdale; Rotherham; Salford; San Francisco Mercantile; Sheffield; South Shields; Southport; Sunderland; Swansea; Sydney; Victoria; Walsall; West Bromwich; Westminster; Wigan; Wolverhampton; Worcester, Mass. U.S.A.

LIVERPOOL CHEMISTS' ASSOCIATION:—Transactions, 1853-82.

LIVERPOOL GEOLOGICAL ASSOCIATION:—Transactions, 1880-2; Ann. Report, 1882.

## DONATIONS—(Continued.)

LIVERPOOL INSTITUTE:—Fifty-seventh Annual Report; Pennant's Tour in Scotland; Aiken's Description of Manchester; Foot's Life of Arthur Murphy; and 9 other volumes.

LIVERPOOL INSTITUTIONS, &c.:—Reports have been received from the following:—Auxiliary to the Army Scripture Readers' Society; Auxiliary Bible Society; Blue Coat Hospital; Catholic Reformatory Association; Clerks' Association; Engineering Society; Horticultural Association; Juvenile Reformatory Association; Royal Society for Prevention of Cruelty to Animals; Shipwreck and Humane Society; Training Ship "Indefatigable."

LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY:—Proceedings, Vol. 35.

LIVERPOOL MEDICAL INSTITUTION:—Liverpool Medico-Chirurgical Journal, Nos. 2 and 3.

LIVERPOOL MERCANTILE MARINE SERVICE ASSOCIATION:—Reporter, 1881, and Jan.-Aug., 1882; Report, 1882.

LIVERPOOL NATURALISTS' FIELD CLUB:—Proceedings, 1881-2.

LIVERPOOL PHILOMATHIC SOCIETY:—Proceedings, 1881-2.

LOUGHBOROUGH, J. N.:—History of the Sabbath, by J. N. Andrews; Harmony of Science and the Bible, by J. H. Kellogg, M.D.

McGOVERN, JOHN (the Author):—A Pastoral Poem and other Pieces.

MANCHESTER GEOLOGICAL SOCIETY:—Transactions, Vol. 16, Pts. 11-18, Vol. 17, Pts. 1-2.

MANCHESTER MECHANICS' INSTITUTION:—Fifty-eighth Annual Report.

MANCHESTER NATIONAL SOCIETY FOR WOMEN'S SUFFRAGE:—Fifteenth Annual Report.

MANCHESTER PUBLIC FREE LIBRARY:—Catalogue of Books in the Reference Library, Vol. 2, 1884-79, with Index, 3 Vols.

MANCHESTER STATISTICAL SOCIETY:—Transactions, 1881-2.

MARRAT, F. P.:—Entomologia Carniolica Giovanni A. Scopoli.

MARSDEN & CO. (the Publishers):—Anglo-Indian and American Traders' Journal.

MARTIN, JOHN:—Diary of the Mission of James Johnston.

MARPLES, JOSIAH:—Some Notes on the Last Months of the Life of Mary, Queen of Scots.

MASON, THOMAS:—Letter Addressed to Mr. Henry Price, by John Stewart.

MELBOURNE PUBLIC LIBRARY:—List of Newspapers, &c.

MOLINEUX, GISBORNE (the Author):—Memoirs of the Molineux Family.

MORLEY, FREDERICK (the Compiler):—Michigan and its Resources.

MULLINS, J. D.:—Seven Local Pamphlets.

NATAL GOVERNMENT EMIGRATION AGENCY:—Report upon the Coal Fields of Klip River, &c., Natal by F. W North, F.G.S.; Natal Almanac, &c., 1882.

NATIONAL ASSOCIATION FOR THE PROMOTION OF SOCIAL SCIENCE:—Transactions, Dublin Meeting, 1881.

NATIONAL SOCIETY FOR WOMEN'S SUFFRAGE:—Report, 1882; Observations on Women's Suffrage, by Viscount Harberton; Women's Suffrage in Wyoming, by J. W. Hoyt.

NEW SOUTH WALES, AGENT-GENERAL FOR:—Ways and Means, New South Wales, 1881; New South Wales in 1881; The Technical or Working Mens' College, Sydney.

NEW YORK STATE MUSEUM OF NATURAL HISTORY:—30th and 31st Annual Reports; Descriptions of Bryozoa and Corals of the Lower Helderberg Group, by James Hall (2 Editions).

NICKELS, JOHN T. & CO:—Liverpool Bill of Entry, 1841-80 (40 Vols).

NORTH, F. W., F.G.S. (the Author):—Report upon the Coal Fields of Klip River, &c., Natal.

NORWEGIAN GOVERNMENT:—Norwegian North Atlantic Expedition, 1876-78, Pts. 4-7.

NORWEGISCHEN COMMISSION DER EUROPÄISCHEN GRADMESSUNG:—Geodätische Arbeiten, Heft 1-3; Vandstandobservationer, Heft 1.

PACKARD, HON. S. B., U.S. CONSUL, LIVERPOOL:—Reports from the Consuls of the United States on the Commerce, &c., of their Consular Districts, Nos. 12-22.

PALMER, ELLEN (the Author):—The Temptation of Job.

PANNELL, MRS.:—Acts of Parliament of the Reign of William III.

PATENTS, THE COMMISSIONERS OF:—Specifications of Patents, 1880-81; Abridgements, 1881-2; Catalogue of the Library of the Patent Office; Subject-Matter Index of Patents, 1880; Alphabetical Index of Patents, 1881.

PATON, ALLAN P. (the Editor):—The Hamnet Shakspere, Pts. 6 and 7.

PHILADELPHIA ACADEMY OF NATURAL SCIENCES:—Proceedings, 1880 and 1881.

PICTON, SIR J. A.:—Topographical Description of Cumberland, &c., by John Housman; Liverpool Magazine, 1816; The "Missing Link" Discovered, by A. M. Berean; Success in Life, by Sir J. A. Picton.

PITMAN, ISAAC:—Phonetic Journal, 1881

DONATIONS—(*Continued.*)

PLANT, JOHN :—The First Charter of Salford, by J. E. Bailey ; Transcript and Translation of the Salford Charter.

PLYMOUTH FREE LIBRARY :—Index Catalogue of the Lending Department.

POOLE, W. F. (the Author):—Report on the Progress of Library Architecture ; The Construction of Library Buildings.

QUARITCH, BERNARD (the Compiler and Publisher) :—Catalogue of Periodical Literature, &c., 1882.

RATHBONE, WILLIAM, M.P. :—Local Government. Memoranda, 2 Pts. ; The Increased Earnings of the Working Classes : a Speech, by W. Rathbone, M.P.

READE, T. MELLARD, C.E. (the Author) :—The Relations of the Glacial Deposits of the Clyde and Forth, &c. Rivers.

RICHARDSON, WILLIAM (the Author) :—Lays of Ancient Greece and Rome ; Alma Mater, and other Poems.

RIO DE JANEIRO NATIONAL LIBRARY (per P. H. Rathbone, J.P.) :—Catalogo do expositão de Historia do Brazil.

ROSSON, RICHARD :—Sundry Reports of various Charitable Institutions of Liverpool.

ROCHDALE FREE PUBLIC LIBRARY :—Catalogue of the Lending Department.

ROLLIT, A.K., LL.D. (the Author) :—The Need of a Public Library for Hull.

ROYAL ASTRONOMICAL SOCIETY :—Memoirs, Vol. 46 ; Monthly Notices, 1882.

ROYAL COLONIAL INSTITUTE :—Proceedings, Vol. 13.

ROYAL CORNWALL POLYTECHNIC SOCIETY :—Forty-Ninth Annual Report.

ROYAL DUBLIN SOCIETY :—Scientific Transactions, Vol. 1, Series 2, Pts. 13 and 14 ; Scientific Proceedings, New Series, Vol. 2, Pt. 7 ; Vol. 3, Pts. 1-4.

ROYAL INSTITUTE OF BRITISH ARCHITECTS :—Transactions, 1881-2 ; Proceedings, 1881-2 ; List of Members, 1882-3.

ROYAL SOCIETY OF LONDON :—Philosophical Transactions, Vol. 172, Pts. 2 and 3, and Vol. 173, Pt. 1 ; List of Members.

ROYAL SOCIETY OF VICTORIA :—Transactions, Vol. 18.

SAKKE, EDWARD, ALEXANDRA THEATRE, LIVERPOOL.—Playbills, &c., 1882.

SAMUELSON, JAMES :—Histoire, Politique et Sociale, des Principautés Roumaines, par E. Regnault ; La Roumanie, par A. Beaure et H. Mathérel ; Notice sur la Roumanie, par P. S. Aureliano ; Romanische Studien, von R. Roessler ; Rumänien : Land und Volk, von Rudolf Henke ; With the Armies of the Balkans, by Lieut.-Col. Fife-Cookson ; and eleven other Volumes on Roumania.

SHARPE, WILLIAM, M.D. (the Author) :—Alcohol (2 Editions).

SHEFFIELD FREE PUBLIC LIBRARY :—Catalogue of the Central Lending Department.

SHERLOCK, FREDERICK (the Author) :—Joseph Livesey: a Life Story (6 Copies).

SINCLAIR, Alexander :—Centenary of the "Glasgow Herald."

SMEAL, ROBERT (the Publisher) :—Journal of John Woolman.

SMITH, Walter (the Author) :—Popular Industrial Art Education, &c.

SMITHSONIAN INSTITUTION, U. S. A. :—Report of the Bureau of Ethnology, &c., 1879-80 ; Annual Report, 1880 ; List of Foreign Correspondents, Jan., 1882.

SOCIETY OF ANTIQUARIES OF SCOTLAND :—Proceedings, 1880-1.

SOCIETY OF ENGINEERS :—Transactions, 1881.

SOUTH AUSTRALIAN INSTITUTE :—Annual Report, 1881-2.

SPRATT, VICE-ADMIRAL T. A. B., C.B. (the Author) :—Report on the Present State of the Navigation of the River Mersey, 1881 (6 Copies).

STOCKER, J. R., M.B. (the Author) :—On Sea Sickness.

STRETTON, CLEMENT E. (the Author) :—A Few Remarks on Railway Accidents.

SUTTON, C. W. :—Lecture on Secular Business, by H. Griffiths ; The Saviour's Grace and Truth, by Rev. R. Tweddell ; Matilda di Shabran and Corrodine : an Opera (the words).

SWANSEA CORPORATION :—Charters granted to Swansea, Translated, Illustrated, and Edited by G. G. Francis, F.S.A.

TAYLOR, J. STOFFORD, M.D. (the Author) :—Report on the Health of Liverpool, 1881 (2 Copies).

THORNELY, James :—Shareholders' Certificate of the Herculaneum Pottery Company, Liverpool.

THRUFF, G. A. (the Author) :—History of the Art of Coachbuilding (2 Volumes).

TINNE, JOHN A., J.P. :—A collection of 29 Water-Colour Drawings of Views of Old Liverpool ; Illustrated London News, 2 Vols., 1881.

TIREBUCK, WILLIAM (the Author) :—Dante Gabriel Rossetti.

UNITED STATES GOVERNMENT :—United States Coast and Geodetic Survey, 1878 ; United States Astronomical, &c., Observations, 1877 ; Instructions for Observing the Transit of Venus, 1882 ; United States Geographical Surveys, Vol. 7.

DONATIONS—*Continued.*

VACHER, FRANCIS (the Author):—Reports on the Sanitary Condition of Birkenhead, 1880 and 1881; The Transmission of Disease by Milk; The Transmission of Disease by Food; What Diseases are Communicated to Man from Diseased Animals used as Food? Health and Cleanliness: an Address; Sanitation at Boston, U. S. A.; Sanitation in Massachusetts.

VIGILANCE ASSOCIATION:—Eleventh Annual Report.

WALES, UNIVERSITY COLLEGE OF:—Calendar, 1882-3.

WALMSLEY, G. G.:—Sundry Liverpool Pamphlets.

WATHERSTON, E. J. (the Author):—Indian and other Foreign Productions in Silver (4 Copies); Our Iron Highways (2 Copies).

WESLEYAN CONFERENCE OFFICE:—Minutes of the Wesleyan Conference, Birmingham, 1879.

WORCESTER, MASS., PUBLIC LIBRARY:—Rules, Documents, &c.

YARKER, JOHN (the Compiler):—Genealogy of the Surname Yarker.

ZOOLOGICAL SOCIETY OF LONDON:—Transactions, Vol. 11, Pts. 6 and 7; General Index to Transactions, Vols. 1-10; Proceedings, 1881, Pt. 4, 1882, Pts. 1-3; Index to Proceedings, 1871-80; List of Fellows, 1882.

The following Periodicals, Newspapers, &c., have been presented regularly by the Publishers:—

American Settler	Iron and Coal Trades Review
Anglo-American Times	Journal of Dramatic Reform
Birmingham and Sheffield Hardware Circular	Journal of the Statistical Society
Bootle Times	Journal of the Vigilance Association
British and Colonial Printer and Stationer	£. s. d.
British Mercantile Gazette	Latest News
British Temperance Advocate	Liverpool Albion and Telephone
Builders' Weekly Reporter	Courier
Cambridge Examiner	" Echo
Catholic Times	Express
Christian Commonwealth	Journal
Church of England Temperance Chronicle	Lantern
Church Missionary Gleaner	Liberal Review
Church Missionary Intelligencer	Mercury
Church Missionary Juvenile Instructor	North End Times
Church Standard	Porcupine
Clergyman's Magazine	Post
Colonies	Musical and Dramatic World
Congregationalist	Musical Education
Day of Days	Naval and Military Gazette
Dietetic Reformer	New Church Magazine
Draper	Newcastle Chronicle
Ecclesiastical Observer	North Times
Electrical Review	Preston Herald
Englishwoman's Review	Railway Review
Estates Gazette	Sunday Review
Financial Reformer	Sydney Mail
Fireside	Temperance Record
Home Words	Tonic Sol-fa Reporter
Homœopathic World	Waterloo Times
Insurance Gazette of Ireland	West Derby and Wavertree Times
Insurance Times, New York	West Riding Machinery Mart
Inventors' Record	Women's Suffrage Journal
Irish Temperance Banner	Zoophilist

## LENDING LIBRARIES.

TABLE I.—General Statistics :—

	This Year.			Last Year.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Volumes lent .....	*189,102	204,789	393,891	222,212	200,839	423,051
Tickets issued to New Readers .....	2,325	2,383	4,708	2,278	2,417	4,695
Tickets renewed .....	2,161	2,059	4,220	2,496	2,209	4,705
Tickets cancelled .....	2,513	2,574	5,087	2,719	2,683	5,402
Total No. of readers on the books .....	4,459	4,614	8,973	4,647	4,705	9,352
Books lost or injured, and paid for .....	34	29	63	47	37	84
Books lost .....	11	—	11	—	—	—
Volumes worn out—withdrown .....	596	482	1,078	228	239	467
Volumes worn out—replaced .....	672	380	952	700	611	1,311
New volumes added .....	657	515	1,172	607	554	1,161
Total No. of vols. in the Libraries .....	21,965	22,391	44,356	21,717	22,262	43,971

\* This Library was closed for Stocktaking, Painting, &c., from July 10th to 24th.

TABLE II.—Showing the Classification of Volumes Lent and Added :—

	Volumes Lent.			Volumes Added.		
	North Library.	South Library.	TOTAL.	North Library.	South Library.	TOTAL.
Theology, Moral Philosophy, &c.	3,418	3,668	7,086	31	15	46
Nat. Philosophy and Mathematics	2,845	3,248	6,093	13	14	27
Natural History .....	1,856	2,325	4,181	12	11	23
Science and the Arts .....	6,757	7,991	14,748	35	37	72
History and Biography .....	7,985	9,400	17,385	52	52	104
Topography and Antiquities .....	893	1,104	1,997	10	3	13
Voyages and Travels .....	4,668	4,953	9,621	23	19	42
Miscellaneous Literature .....	11,333	12,416	23,749	89	102	192
Jurisprudence, Law, and Politics	331	362	693	2	2	4
Commerce and Political Economy	660	535	1,193	6	4	10
Education, Logic, and Languages	1,871	1,340	3,211	7	5	12
Poetry and the Drama .....	1,238	2,218	3,456	16	18	34
Prose Fiction .....	144,966	154,680	299,636	361	231	592
Latin and Greek Classics .....	248	324	672	—	—	—
Books for the Blind .....	43	227	270	—	1	1
<b>TOTAL.....</b>	<b>189,102</b>	<b>204,789</b>	<b>393,891</b>	<b>657</b>	<b>516</b>	<b>1172</b>

## MUSEUM.

The Visitors to the Museum during the year have been as follows :—

	1882. 218 Days.	1881. 215 Days.
Total Visitors in the year .....	391,237	422,326*
Weekly average .....	7,523	8,121
Daily average .....	1,836	1,964

The 18th of October, 1882, was the 21st anniversary of the opening of the Museum in the present building.

The total number of Visitors during that time amounts to 9,079,175, giving a yearly average of 482,341.

\* The number of Visitors in 1881 was greatly augmented by the Exhibition for several days of the objects presented by the Corporation and the Mersey Docks and Harbour Board to the Prince and Princess of Wales. The persons admitted on these days were 26,288 in excess of the numbers on the same days in 1882.

## DONATIONS.

Four fine specimens of *Funiculina quadrangularis*, an elongated Coralline allied to the Sea Pens, dredged in 16 fathoms on the West Coast of Scotland in September, 1882, and presented by Mr. Francis Archer.

A remarkably fine Crinoid, probably undescribed; several collections of Corallines, including a fine specimen of *Melithaea ochracea*; specimens of Sponges and of soft-bodied Echinoderms, specimens of *Lepads*, *Ascidians*, *Actiniæ*, *Annelids*, and 80 specimens of Fish, collected at Singapore specially for the Museum, and presented by Surgeon-Major S. Archer, A.M.D.

The upper Jaw, with Tusks and Teeth, of a Walrus from the North Pacific; presented by Mr. John Thompson Bouch, per Captain J. H. Mortimer.

Specimens of Land and Freshwater Shells from Monte Video, and Marine Shells from Maldonado; presented by Mr. John F. Bourne, Monte Video, per Mr. P. H. Rathbone.

A collection of Eggs from the Falkland Islands (Gentoo Penguin, Steamer Duck, &c.); presented by Major H. Cautley, R.E.

Sixteen specimens of 10 species of Insects, including an Australian Wood Moth (*Xylocanthir staceyi*, Scott), and other rarities; 8 specimens of 5 species of Shells, 1 Sponge, and 2 colonies of large *Hydractinia*; presented by Mr. R. Cholmondeley, per the Rev. H. H. Higgins.

Specimens of 115 species of Land, Freshwater, and Marine Shells, and 20 Fossils, chiefly from Minorca; presented by M. Cardona, Port Mahon, per Mr. Frederick W. Earle, in exchange.

Skeletons and Bones of Bear, Dog, and other Vertebrates; from the Liverpool College, in exchange.

Thirty Insects (Bees, Beetles, &c.) and five Shells (*Ampullaria immersa*, *Ampullaria roissyi*, and *Anodonta*), from North Santa Fé, Parana River; collected and presented by Mr. B. Cooke, Jun.

A collection of Fossil Remains of *Glyptodon* and other extinct Mammals, chiefly collected in the district of Frey Bentos, Banda Oriental; presented by Mr. Ch. Croker, Frey Bentos, per Mr. P. H. Rathbone.

Four small Ammonites and four Fossil Shells from Copiapo; collected and presented by Mr. J. Dennick.

Specimens of Twaite Shad, *Alosa finta*, from Pwlheli; presented by Messrs. Duncan.

A collection of Shells and other specimens, chiefly Marine, obtained during a cruise to the Mediterranean, October, 1881, to June, 1882, principally from Minorca, Majorca, Corfu, Algiers, and Coast of Spain, including a group of Toilet and Bath Sponges attached to rock; a large specimen of *Pinna*, with other shells growing thereon; two specimens of coral, *Cladocera cespitosa*, from Corfu, and two specimens of silicified Palm from the "Petrified Forest," Cairo, collected and presented by Mr. F. W. Earle.

The Stem of a Gigantic Sea-Pen of the Family *Pennatulidae*, measuring 6 feet in length when unbroken, brought from Newfoundland; and the Spine of a Shark; presented by Mr. George Eyre Evans.

An Ichneumon Fly from the top of Carnedd Dafydd, North Wales; collected and presented by Mr. Willoughby Gardner.

A Willow Wren from Knowsley; presented by Mr. G. D. Hale.

A large Ammonite twelve inches in diameter, and presenting special structural features of interest, from the Lower Chalk, near Turvey, Bedfordshire; presented by Mr. Hipwell, per the Rev. H. H. Higgins.

Specimens of Variegated Sole, Scald Fish, Boar Fish, &c., from Brixham; presented by the Rev. W. Houghton.

A Collection of Marine Specimens obtained on a voyage from Chili, including specimens and nests of the Fishing Frog; Rock Specimens from Chili; a Shearwater, *Puffinus*, and the Head of a Sooty Albatros, *Diomedea fuliginosa*; collected and presented by Capt. S. Griffith Jones, Barque "Hermine."

Four specimens of Two Species of Fossil Shells, *Bellerophon urii* and *Bellerophon decussatus*, from the Carboniferous Limestone, Carluke, N.B.; presented by Mr. J. W. Kirby, per the Rev. H. H. Higgins.

Two Bats and twenty-five Bird Skins from Cape Coast Castle; presented by Mr. James Latham.

A Cobra da Capello, *Naja tripudians*, six feet in length, from Calcutta; presented by Captain T. C. M'Pherson.

Specimens of Fossil Fish, from Scotland; presented by Mr. Richard D. Mabin, in exchange.

Two sections from the Stem of a recent Tree Fern, found growing in a running stream of muddy water, near Melbourne, Australia, 1870; presented by Mr. R. W. Manning.

Two species of Freshwater Sponge, *Spongilla (Meyenia) asperrima*, and *Carterella tubisperma*, from Niagara River; presented by Mr. Henry Mills, per Mr. H. J. Carter, F.R.S.

A box of Fossils from the Cerro, Monte Video, containing an under jaw, a claw bone and toe bone, of large Edentate Mammal; four fragments of a large limb bone; and conglomerated masses of shells of *Ostrea*; collected and presented by Mr. Conrad Möller, Monte Video, per Mr. P. H. Rathbone.

Five specimens of Fossil Fish (two *Cheiracanthus*, one *Osteolopis major*, one *Pterichthys productus*, and one *Diplacanthus longispinis*) from the Old Red Sandstone, Lynat and Edderton Burn; and five specimens of Ammonites, from Lyme Regis; presented by Mr. G. H. Morton, F.G.S.

A Northern Stone Crab, *Lithodes maia*, from the Irish Sea; presented by Dr. J. Linton Palmer, R.N.

A collection of Sponges from Queensland; presented by Miss Amy Parker, per Miss H. K. F. Gatty.

Eight Specimens of Marble, cut and polished, from the Quarries of Kleber, near Oran, Algeria, the ancient Marmor Numidicus; presented by Colonel Playfair.

Thirty specimens of Salt Water Fishes, from Monte Video; two Hang Nests from Uruguay; eleven specimens of Shells; a Stony Freshwater Sponge; two Hair Balls, from cattle; two specimens of Chalcedony, enclosing fluid; a specimen of polished Marble, from Maldonado; and a large lower Jaw of a Fish; presented by Mr. P. H. Rathbone.

A Python or Rock Snake, *Python reticulatus*, from the Province of Wellesley, Straits Settlements; presented by Captain R. F. Scale.

The Skin of an Alligator from Darien, Georgia; presented by Mr. T. W. Sewell.

A Three-bearded Rockling, *Motella tricirrata*, from Hoylake; presented by Mr. Herbert Sharpe.

A large Hairy Caterpillar, the spines of which are dreaded by the Natives as poisonous, from New Calabar; presented by Mr. Thomas Sutherland.

A specimen of Jet from Whitby; presented by Mr. G. A. Tate.

A specimen of Sea Lily (*Pentacrinus*), dredged in 500 fathoms at Station 214, by the Challenger Expedition; presented by Sir Wyville Thomson, per Professor Herdman.

A specimen of the Vendace, *Coregonus Willoughbii*, found floating on Bassenthwaite Water, Cumberland, June 21, 1882; presented by Mr. F. T. Turton.

The Skin and Skull of a large Crocodile from Venezuelan Guiana, South America; presented by Senor José de Jesus Vigas, Caracas, per Mrs. F. W. Earle.

Twenty Bird Skins from Axim, Gold Coast, West Africa; collected and presented by Mr. R. B. N. Walker, F.R.G.S., Corresponding Member Literary and Philosophical Society, Liverpool.

A Collection of Marine Specimens, Dredgings and Soundings, obtained during a voyage between Liverpool and Valparaiso, chiefly from the Patagonian Bank and Valparaiso Bay; collected and presented by Capt. W. H. Cawne Warren, Associate of the Literary and Philosophical Society of Liverpool.

A living specimen of the Blind Worm, *Anguis fragilis*, from North Wales; presented by Mr. J. C. White.

Specimens of British Birds; presented by Mr. Thomas West.

A Collection of samples of Borings from the Sub-Wealden Boring Exploration at Netherfield, Sussex, 1872-76; presented by Mr. Henry Willett, F.G.S., per Mr. Charles Potter.

A Porcupine Fish, *Diodon hystrix*, from Port-au-Prince; presented by Capt. Williams, s.s. "Cuba."

A specimen of Dendritic Black Oxide of Manganese on Leptinite, or Whitestone, from Llanfairfechan Quarry, near Penmaenmawr; presented by Mr. William Williams, per Mr. J. B. Clarke.

A Collection of Bones from the Hyænine deposit in Kent's Cavern, amounting in all to 36 " finds," with exact references to each place of finding; presented by Lord Haldon (proprietor of the Cavern), and the British Association, per Mr. William Pengelly, F.R.S., Torquay.

## PURCHASES.

The principal purchases have been as follows, many of the Vertebrates being for the Osteological Collection :—

A young Gorilla ; two heads of Proboscis Monkey, male and female ; a Tiger (for skeleton) ; a young Brown Bear ; an Irish Fox ; a Yaguaroundi ; a Moufflon and Wild Cat from Candia ; two young Manatees ; lower Jaw of a Sperm Whale ; an American Tapir and a young Baird's Tapir ; a young Capybara ; a Coypu ; a rare Rodent (*Petrodromus*) ; a Great Ant-Bear (*Myrmecophaga jubata*) ; a Tree Kangaroo (*Dendrolagus inustus*), and a Mourning Kangaroo (*Dorcopsis luctuosa*), from New Guinea ; young specimens of Koala, Wallaby Kangaroo, and Bandicoot ; Skulls of young Walrus, Koala, &c.

A Sociable Vulture ; a young Hornbill ; an Ariel Toucan ; a new Kingfisher (*Clytoceryx rex*), from New Guinea ; specimens of the Maximilian Macaw, Red and Yellow Macaw, Saddle-billed Stork, Flamingo, Emeu, Rhea or American Ostrich ; and eight Skeletons of Passerine Birds.

Specimens of Limbless Reptiles and Lizards from Brisbane ; a Basilisk (*Basiliscus Americanus*) ; a Blue Shark (*Carcharias glaucus*), six feet in length, from the Coast of North Wales ; an Electric Ray, weighing 33 lbs., taken in a trawl-net off Morecambe Bay ; a Wolf Fish, and a Trigger Fish (*Balistes vetula*) ; skeletons of Menopome, Iguana, and Siluroid Fish (*Doras maculatus*), and disarticulated Skulls of Haddock and Hake.

Specimens of seven species of Invertebrates from Dr. Dohrn's Zoological Station at Naples, and two specimens of Coral, *Madrepora* and *Meandrina*.

Specimens of Fossil Fish, &c., from various formations, also Rhinoceros Jaw, Elephant's Teeth, and other Mammalian remains, from the final sale of the Collection of the late Prof. Tennant, F.G.S. ; Cave Breccia containing sternum and Bones of Birds ; and other Fossils.

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Twenty-one specimens of eight species of Carboniferous Limestone Fossils, *Bellerophon*, *Natica*, *Cirrus*, &c., from Kendal ; one *Spongarium* from the Lower Ludlow of Benson Knott ; four Shells, *Tellina solidula*, from Grange ; specimens of Fossil Shells, Corals, Bryozoa, Conglomerate Sandstone, &c., from Humphrey Head, North Lancashire ; a collection of Ammonites, *Terebratulidae*, *Rhynchonellidae*, and specimens of *Modiola*, *Lima*, and other Fossil Shells from the Inferior Oolite near Turvey, Bedfordshire ; collected for the Museum by the Rev. H. H. Higgins.

## FREE LECTURES.

The Seventeenth Winter Course of Free Lectures, forty in number, was delivered in the Rotunda Lecture Hall, in January, February, and March, 1882.

Total number of persons who attended the Lectures .....	41,295
Average per Lecture.....	1,032
Against 14,815 in 1881. Average attendance, 370.	

## LIST.

Our Municipal Institutions: their Past and Future; by Sir J. A. Picton, F.S.A.

Animal Defences, with Illustrative Drawings; by Rev. H. H. Higgins, M.A.

Universities, Old and New; by Mr. G. H. Rendall, M.A., Fellow of Trinity College, Cambridge, Principal of University College, Liverpool.

The Basque Provinces of Spain: their History, Institutions and Laws; by Mr. Clements R. Markham, C.B., F.R.S., Secretary of the Royal Geographical Society.

The Practical Application of some of Faraday's Discoveries, illustrated by experiments; by Dr. Oliver J. Lodge, Professor of Physics and Mathematics, University College, Liverpool.

Elocution, Gesture, &c., illustrated by Recitals and Readings; by Mr. Henry Vandenhoff.

Sketches of the Public and Private Character of Edmund Burke; by Mr. J. MacCunn, M.A., Professor of Logic, Political Economy, &c., University College, Liverpool.

Our Ironclad Fleet and its Guns, illustrated by the Oxyhydrogen light; by Captain E. Stubbs, R.N.

Chemical Force, with experiments; by Mr. Edward Davies, F.C.S. John Howard, the Prison Philanthropist; by Rev. J. Burbidge.

On the History of the Jews in Spain and Portugal, their Persecution and Expulsion; by Rev. W. Stern, Ph.D.

Phosphorus and its Compounds, with experiments; by Mr. Edward Davies, F.C.S.

New Zealand: its Scenery, People, and Prospects, illustrated by the Oxyhydrogen light; by Mr. W. Lant Carpenter, B.A., B.Sc.

On the Life-Saving Service of the United States of America ; by Mr. C. H. Beloe, M. Inst., C.E.

On the Liverpool Ethnographical Collection ; by Mr. C. T. Gatty, F.S.A., Curator of the Mayer Museum.

Crystallization, with experiments ; by Dr. George Tate, F.G.S.

Solar Spots, with illustrations by the Oxyhydrogen light ; by Mr. R. C. Johnson, F.R.A.S.

Socrates ; by Mr. A. C. Bradley, M.A., Fellow of Balliol College, Oxford ; Professor of Modern History and Literature, University College, Liverpool.

A Trio of Modern Naturalists—Miller, Edwards, and Dick : the Story of their Lives, with Personal Reminiscences ; by Dr. G. Shearer.

Some Notes of the Last Months of the Life of Mary Queen of Scots, hitherto unpublished in England ; by Mr. Josiah Marples.

Readings from Shakespeare, Dickens, and other Authors ; by Mr. Robert Crompton.

Division of Labour among Zoophytes and some other Composite Marine Animals ; by Dr. W. A. Herdman, F.L.S., F.R.S.E., Professor of Natural History, University College, Liverpool.

Notes on the Shakespearian Characteristics of James Sheridan Knowles, with other Readings and Recitals ; by Mr. Samuel Pearce.

Astronomy : its practical uses ; by Mr. James Gill.

Life History of the Sea-Hare, and some of its kindred from the Mersey ; by Dr. J. Sibley Hicks, F.R.M.S.

Combustion ; illustrated by experiments ; by Mr. Granville H. Sharpe, F.C.S.

Navigation : how safety is secured ; rules for preventing Collisions ; by Mr. James Gill.

Bach : his Times and Music, illustrated by Vocal and Instrumental Music ; by Mr. G. A. Audsley and Mr. H. A. Branscombe.

Old English Life and Manners in the Feudal Age, with Photographs and Drawings of English Castles, shown by the Oxyhydrogen light ; by Mr. James Birchall.

Cheshire Salt: the Mode of its Formation and Geological Occurrence and Method of present Manufacture; by Mr. C. E. De Rance, Associate Inst. C.E., F.G.S., of H.M.'s Geological Survey.

The Moon: What it Is; What it Does; What it Tells; Comets and Shooting Stars; with Illustrations by the Oxyhydrogen light; by Professor Robert Ball, LL.D., F.R.S., Andrews Professor of Astronomy, University of Dublin, and Royal Astronomer of Ireland.

Old English Life and Manners in the Elizabethan Age, with Pictures of Baronial Halls, Timber Houses and Interiors, shown by the Oxyhydrogen light; by Mr. James Birchall.

Gleanings from the Local Collection of Books and Drawings in the Liverpool Free Public Library; by Mr. Peter Cowell, Chief Librarian of the Free Public Library

The Normans in Italy and Sicily; by Mr. W. J. Stewart, B.A.

Mendelssohn, his Times and Music, Illustrated by Vocal and Instrumental Music; by Mr. G. A. Audsley and Mr. H. A. Branscombe.

Art in the Homes of the People; by Mr. Charles Dyall, Curator of the Walker Art Gallery.

Field Sports of the Ancients; by Rev. W. Houghton, M.A., F.L.S.

Midnight Oil; by Mr. Edward R. Russell.

#### COURSES OF FREE AUTUMN LECTURES.

Three Experimental Lectures were delivered by Prof. J. Campbell Brown, D.Sc., University College, Liverpool, in the Rotunda Lecture Hall, in continuation of his previous Courses on the "Chemical Elements." The subjects treated of were *Silicon* and *Phosphorus*.

The total attendance amounted to 2,283, giving an average per Lecture of 761.

## ENGLISH LITERATURE AND LANGUAGE FROM BEÓWULF TO SHAKESPEARE.

A Course of Eight Lectures was delivered in the Rotunda Lecture Hall by Dr. W. Clarke Robinson, M.A., B.Sc., Lecturer and Examiner in Modern Literature and Languages in the University of Durham ; and the attendance amounted to 3,487, giving an average of 435.

A Course of Four Lectures (one of which was repeated) on "Shakespeare—The Man—The Poet—The Dramatist—The Teacher"—was delivered by Mr. T. Hall Caine ; the total attendances at which were 2,167, and the average 433.

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The Liverpool School of Science has had the use of rooms as in former years, and the following courses of Lectures are being delivered in connection with the Department of Science and Art, South Kensington :—

Solid Geometry. By Mr. A. J. Briant.

Machine Drawing. Do.

Building Construction. Do.

Animal Physiology. By Mr. G. O. Chubb.

Botany. Do.

Agriculture. By Mr. C. F. Cooper.

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## MAYER MUSEUM.

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### R E P O R T .

During the past year two Catalogues have been issued in this Department of the Museum, one of the Prehistoric Antiquities and Ethnography, and the other of the Mediæval and later Antiquities, including the Mather collection of objects relating to the Bonaparte Family. A Catalogue of the Pottery and Porcelain is now in course of preparation. Considerable additions have been made to the Ethnographical Department, and a permanent gallery for the Ethnographical Collection is being provided in the extension of the Walker Art Gallery. Preparations are now being made for a Loan Exhibition of objects illustrating the History of Navigation, to be held during the present year in connection with this department.

### D O N A T I O N S .

Collection of Pottery and Glass, found in Cyprus; presented by Mr. C. M. Campbell, Stoke-on-Trent.

Group of Stone Implements, three Bone Fish Spear Heads, Lasso, Bow and Arrows, also a Saddle and Horse Trappings, from South America; brought and presented by P. H. Rathbone.

Pair of Pistols, formerly belonging to Colonel Martin; presented by Mr. Richard Ross.

Two pieces of wood from Captain Cook's ship "Adventure"; presented by Mr. Charles Baker, Master, s.s. "Thebes."

Pick, made from the Antler of a Red Deer, from the ancient flint workings at Grimes Graves, near Brandon, Norfolk; found and presented by Canon Greenwell.

Mummy of a Woman and Two Coffins, a very fine example of Egyptian painting. Dr. Birch considers that the name of the woman is Mutef, daughter of Ankh-Khonsu, superintendent of the house of Amen, who was son of Nas-pa-nub. The mummy is probably of the 19th dynasty (B.C. 1300 about) or possibly a little later, from Thebes. Brought to England by Lord John Churchill, formerly in the collection of Mr. David Pennant; presented by Lord Denbigh. (See Report for 1882.)

Liverpool Printed Jug; presented by P. H. Rathbone.

Japanese Specimens; presented by Dr. C. Dresser.

Bow, Skin Quiver, and six Arrows, three with glass heads, from Patagonia; presented by Mr. M. F. Buchner.

Collection of Implements, &c., from the Terra Del Fuegians of the Straits of Magellan, obtained through Mr. Bridges, the Missionary at Ushwai; presented by Captain Shannon.

Necklace of cut pieces of horn (?) from the Straits of Magellan; presented by Dr. Braidwood.

Six Japanese Bronze Mirrors; presented by Mr. Clarke.

Stone Axe-head, found in County Carlow, Ireland; presented by Mr. John Stephenson.

Stone Axe-head, from New Zealand; presented by Mr. John Cullen.

Eight Silver Coins, from Siam; presented by Mr. John Milne, Engineer, Siamese Navy.

Vase, in black pottery, from an ancient Peruvian grave; presented by Mr. M. F. Buchner.

Quaigh, made from a piece of one of the old oaken piles which formed part of the ancient drawbridge of Rothesay Castle; presented by Mr. R. M. Adam.

Specimens of Greek and Roman Terra-cottas, Coins, &c., from Corfu; presented by Rev. J. W. Hughes, English Chaplain, through Mr. F. W. Earle.

Three Spears, a Shield covered with tiger's skin, two Wands trimmed with goat's hair, and two Earrings of boar's teeth, brought from the Naga Hill Tribes between India and Burmah; presented by Captain C. E. Elliston, Bengal Staff Corps.

Club and Stone Axe-head, from Australia; presented by Miss Amy Parker.

Wooden image found near the old town of San Jose, near the coast of Peru, north of the Maccabi Islands; presented by Mr. Gilbert Hammill.

Three Mediæval specimens of Pottery found in Nottingham; presented by the Committee of the Castle Museum.

Plate in Pottery, made by Wedgwood, and redecorated in Holland; presented by Mr. Egerton Leigh, of High Leigh.

Pair of Oriental Slippers; presented by Mrs. Byrnes.

**Group of Ethnographical Specimens, mostly from the South Seas ; presented by Mrs. Wansey, of Claughton.**

**Two Australian Stone Implements, one with a Wooden Handle ; presented by Miss Amy Parker, obtained through Mr. Pimock, Police Magistrate at Brisbane.**

**Stone Axe-head found in Rathvilly, Co. Carlow, Ireland ; presented by Mr. Thomas Jackson.**

**Chart of the Flags of all Nations, and seven Papers connected with Shipping in the last century ; presented by Mr. J. H. Gibson.**

#### PURCHASES.

**Model Canoe and Wooden Dog Bell, from West Africa.**

**Human Skull, found on the Cheshire shore.**

**Linen Smoother, probably from Iceland.**

**Two Iron Axes, from West Africa.**

**Seventeen Clay Pipe Heads, from Ashantee and Dahomy, West Africa.**

**Jug, with transfer-printed coat of arms upon it, probably Liverpool ware.**

**Chinese Compass.**

**Gold Ring, made by an Australian Native.**

**Portrait on enamel of "Horne Tooke."**

**Two Japanese Vases and a Porcelain Dish with a map of Japan upon it.**

**Inscribed Linen Smoother, from Iceland.**

**Five Japanese Ivory Netsukies.**

**Two Specimens of Japanese Pottery with splashed glazes, and a small Teapot.**

**Seven Japanese Printed Books.**

**Silver Ornament from Paraguay, South America.**

**Japanese Vase and a Freemason's Mallet in Pottery.**

**Eight South American Arrows.**

**Japanese Plate, with mythological subject, the Dragon Boat carrying the Seven Gods of Happiness.**

**Six Volumes of a Japanese Book.**

**Five Japanese Teapots, in Pottery.**

**Japanese Carved Wooden Figure, with ivory head and lacquer ornamentation on clothes.**

**Collection of (30) Kakemonas, or Japanese Paintings on Silk.**

**Carved Wooden Figure of Budda or Buddhist Saint.**

Liverpool Printed Jug, with Masonic emblems and the legend "A Free Trade to Ireland."

Two Ivory Fetishes and a Kneeling Figure, from West Africa.

Carved Gourd, from West Africa.

Fetish of wood in shape of two figures standing back to back.

Six Japanese Sword Hilts, in iron, steel, and brass, inlaid with silver and gold.

Two Japanese Ivory and Wood netsukies.

Carved Wooden Figure of a Japanese deity.

Carved Cocoanut, probably from Venezuela, South America.

Leaden Ornament, with figures of the Virgin and Child upon it, found on the Cheshire shore forest bed.

Porcelain Mug, most probably of Liverpool manufacture, with a transfer-printed portrait of the Young Pretender upon it; also a small printed jug signed by the maker "ROBINSON, BURSLEM."

Snuff Horn, from South Africa.

Two Wooden Spoons, from West Africa.

Two Chinese Vases in porcelain, and two specimens of Japanese pottery.

Three Ivory Tusks, most probably from the River Niger, West Africa.

Very fine Axe, with stone head, from New Guinea.

Chinese Porcelain Punch-bowl, with English coat of arms and initials upon it, and two accompanying Punch Spoons.

New Zealand Carved Wooden Box.

Dulcimer, from the Asiatic Islands.

Liverpool Printed Pottery Jug.

Group of four Japanese carved wooden figures.

Model Canoe and Carved Gourd, from the River Congo, West Africa.

Silver Gilt Medal of the "Liverpool Pitt Club."

Bottle of Rough Pottery, from the Congo River, West Africa.

Japanese Cup, such as are used in the Tea Ceremonies.

Axe-head of Jade, from New Zealand.

Toby Fillpot Jug.

Silver Medal of Delhi.

Collection of Liverpool Medals, Tokens, Badges, &c.

Japanese Enamel.

Two Compasses with Dials, also two old maps and four engravings of Marine Battles.

Telescope, mounted in white vellum, and stamped with the royal arms.  
Boomerang of wood, unusually large, from Australia.  
Group of Stone Implements, from France  
Silver Boatswain's Whistle, inscribed.  
Printed Cream-ware Jug, with designs commemorating the American Independence, signed "F. MORRIS, SHELTON."  
Mug, with printed designs upon it, a Portrait of Lord Nelson, and Map of the Battle of Trafalgar, also a List of Ships engaged in that action.  
Eight Arrows, one Club, one Australian Sheild, and a Bechuana Axe.  
Sun-dial and Compass, with the name, "D. BERRINGER," upon it.  
Two Bronze Belts.  
Club in Wood, from the Solomon Islands.  
Piece of printed Tappa-cloth, from Fiji.

#### ON LOAN.

A valuable and interesting collection of Chinese Snuff Bottles, in Porcelain, Stone, and Wood; also a number of very fine Japanese Netsukies. Lent by Mr. Andrew Burman.

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### WALKER ART GALLERY.

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THE Gallery has been open to the public on 259 days, and closed for cleaning and re-arrangement on 54 days.

470,248 persons have visited the Gallery during the year, being a daily average of 1,815. Of this number 69,786 paid for admission to the Autumn Exhibition, and the total also includes 6,952 pupils from schools of various denominations, admitted free by invitation of the Committee. There has been a considerable increase in the attendance of Art Students, who have the privilege of copying, under certain restrictions, the works forming the permanent collection, the average on the Students' day being 24, as against 14 last year.

The Descriptive Catalogue compiled by the Curator has met with a large sale, more than 11,000 copies having been sold since its publication in July, 1881.

The Committee acceded to a request from the Council of the Royal Academy to lend the picture by Rossetti, entitled "Dante's Dream," for the exhibition of that artist's works at Burlington House, where it has been accorded the place of honour. They have also lent to the Yorkshire Fine Art Society, Crofts' "Evening of the Battle of Waterloo," and "The Old Man's Treasure," by Prof. Carl Gussow. These will shortly be returned to their places in the collection.

In addition to the permanent collection, the following have been on view during the year:—

200 Drawings and Sketches by the late Henry Dawson, lent by the Executors.

Drawings and Sketches by the late J. M. W. Turner, lent by the Authorities of the National Gallery.

Six Drawings by the late John Burgess, lent by R. Aspa, Esq.

A collection of Drawings, illustrative of Ancient Liverpool, by the late W. G. Herdman, lent by R. Brown, Esq.

On August 11th, the use of the lower Rooms was granted to the Association for the "Reform and Codification of the Law of Nations," for the purpose of a *Conversazione*.

Several persons of distinction have visited the Gallery during the year,  
amongst others—

**King Kalakaua, Hawaiian Islands.**

**Sir J. Whittaker Ellis, Lord Mayor of London, and Lady Ellis.**

**A Party of Officers and Men of H. M. Indian Contingent; and**

**Their Excellencies Ravoninahitriniarivo, Secretary of State for  
Foreign Affairs; Ramaniraka, Member of the Privy Council, and  
Secretaries of the Malagasy Embassy.**

#### AUTUMN EXHIBITION OF PICTURES.

	1882.	1881.
<b>Number of Pictures and other Works of Art exhibited .....</b>	1,589	1,434
<b>Number of Pictures sold....</b>	311	315
<b>Amount realised by sales .....</b>	£7,868 3 6	£12,910 11 0
<b>Season Tickets .....</b>	2,592      476 1 0	2,557      475 14 0
<b>Admissions at one shilling .....</b>	28,603      1,430 3 0	28,695      1,434 15 0
Ditto      sixpence.....	11,967      299 3 6	11,569      289 4 6
Ditto      threepence.....	26,624      332 16 0	30,098      376 4 6
<b>Catalogues sold.....</b>	472 14 6	468 19 9
<b>Commission on sales .....</b>	362 8 9	523 7 6
<b>Miscellaneous receipts .....</b>	23 1 11	15 9 6
<b>Amount received, exclusive of sales .....</b>	3,010 18 0	3,044 17 9

The following Table will be read with interest by all concerned in the culture of Art:—

